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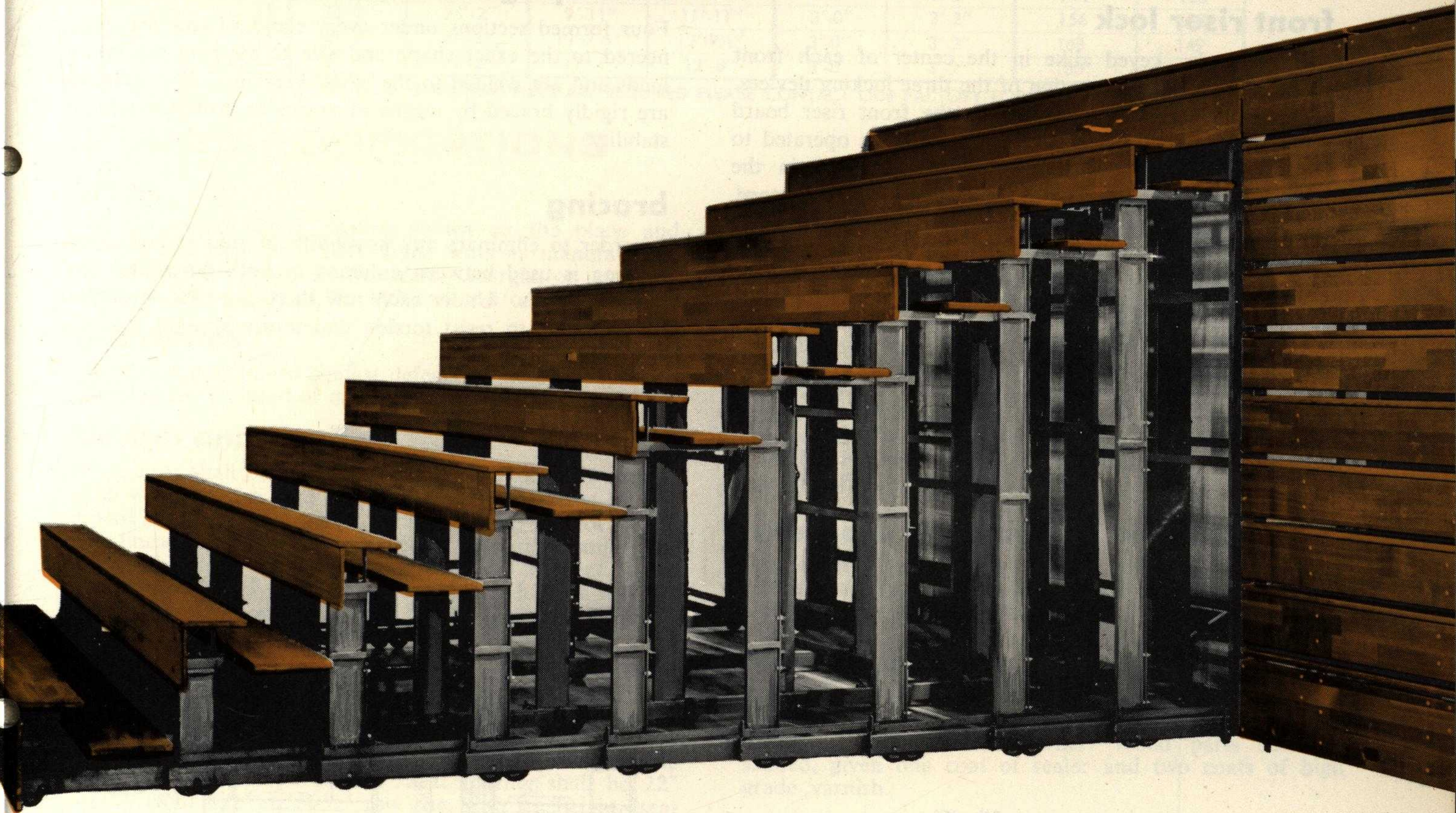
TELESCOPIC GYM SEATS



OPERATION

ESKA Rolling Gym Stands operate on the telescoping principle, requiring only one continuous operation for opening or closing. Simplified moving parts, few in number, permit manual operation with ease. Straight-line tracking and large oilless, non-marking wheels contribute to ease of operation.

DESIGN

The steel supporting structure is precision engineered and is completely self-supporting in open or closed positions. Any number of rows can be locked open for use as required. Positive safety locking can be accomplished in any operating position.

SAFETY

ESKA Gym Stands are designed to meet nationally recognized codes covering spectator seating.

SEAT BOARDS AND FOOT BOARDS

Choice of edge laminated fir, B or better grade, edge laminated pine, or hardboard faced fir, finished at the factory according to specifications.

COMFORT

Choice of seat-spacing dimensions, properly sloped seats, ample toe and heel room and other features give the greatest possible seating comfort.

ESKA PRODUCTS, INC., SCOTTDALE, GEORGIA

TYPICAL CONSTRUCTION DETAILS

materials

ESKA Gym Seats are constructed for 22″ or 24″ seat centers, and with 8½″ or 10½″ row rise. Seat to foot board height (leg height) is 17″. Special seat rise is available when line-of-sight conditions require it.

Wood members are top grade selected lumber. Seat boards are 1-1/16″ x 9½″, foot boards are 1-1/16″ x 10⅞″ riser boards are ¾″ x 8¼″.

front riser lock

Cylinder locks, keyed alike in the center of each front riser board, control the action of the three locking devices. When the cylinder lock is opened, the front riser board can be raised and the gym seats can then be operated to close or open to any desired position. Locking in the desired position is effected by depressing the riser board, thereby engaging the rubber friction brakes operating against the floor.

Top riser board shall be hinged to provide a basket ball deflection board when seats are in nested position.

All gym seat parts to be finished at the factory as specified.

wheels and carriages

Two large wheels under each column (eight wheels under each row) are housed in a formed steel carriage. All carriages are interlocked, thereby locking the wheels in place under the columns and transferring the spectator load directly to the floor. Rubber wheels are oilless and non-marking.

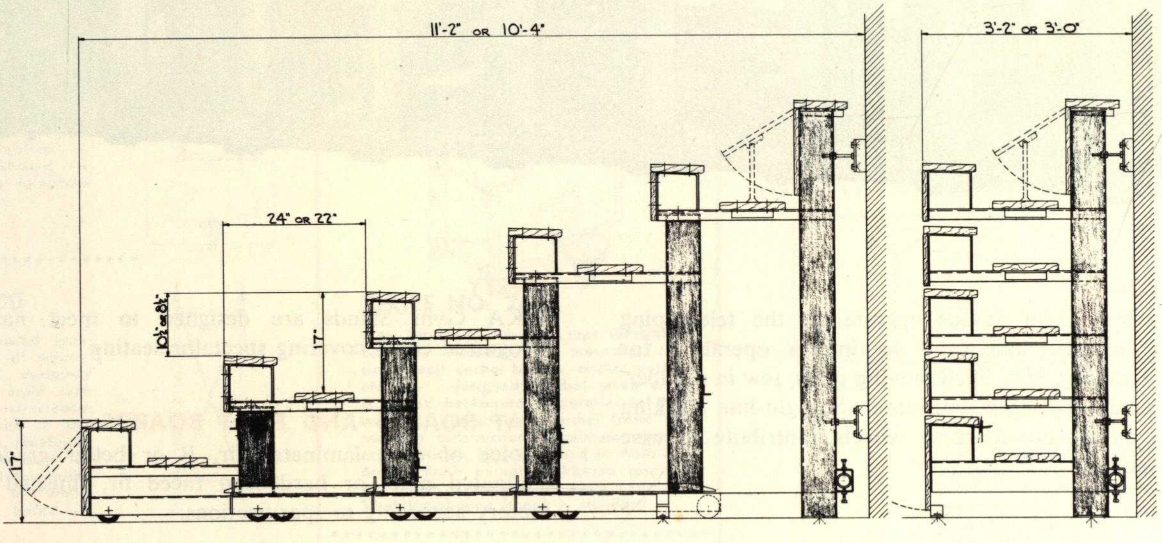
steel uprights

Four formed sections under every standard row are engineered to the exact shape and size to support maximum loads and are welded to the wheel carriages. The columns are rigidly braced by means of angles to insure maximum stability.

bracing

In order to eliminate any possibility of side or end sway, bracing is used between columns in both horizontal and vertical planes. Under each row there are two horizontal angle braces to resist torsion and insure straight tracking as units telescope.

dimension details



Extended Cross Section

Nested

capacities and dimensions

TABLE OF DIMENSIONS AND CAPACITIES

No. Rows	Extended Depth		Height to Top Seat		Nested Depth		Seating Capacity 16′0″ Section	
	22″ Spac.	24″ Spac.	8½″ Rise	10½″ Rise	22″ Spac.	24″ Spac.	16″ Per Seat	18″ Per Seat
3	4′-10″	5′-2″	2′-10″	3′-2″	3′-0″	3′-2″	36	32
4	6′-8″	7′-2″	3′-6½″	4′-0½″	3′-0″	3′-2″	48	42
5	8′-6″	9′-2″	4′-3″	4′-11″	3′-0″	3′-2″	60	53
6	10′-4″	11′-2″	4′-11½″	5′-9½″	3′-0″	3′-2″	72	64
7	12′-2″	13′-2″	5′-8″	6′-8″	3′-0″	3′-2″	84	74
8	14′-0″	15′-2″	6′-4½″	7′-6½″	3′-0″	3′-2″	96	85
9	15′-10″	17′-2″	7′-1″	8′-5″	3′-0″	3′-2″	108	96
10	17′-8″	19′-2″	7′-9½″	9′-3½″	3′-0″	3′-2″	120	106
11	19′-6″	21′-2″	8′-6″	10′-2″	3′-0″	3′-2″	132	117
12	21′-4″	23′2″	9′2½″	11′-0½″	3′-0″	3′-2″	144	128
13	23′-2″	25′-2″	9′-11″	11′-11″	3′-0″	3′-2″	156	138
14	25′-0″	27′-2″	10′-7½″	12′-9½″	3′-0″	3′-2″	168	149
15	26′-10″	29′-2″	11′-4″	13′-8″	3′-0″	3′-2″	180	160

IF OTHER THAN STANDARD RISES ARE REQUIRED PLEASE CONTACT OUR FACTORY FOR RECOMMENDATIONS.

ESKA SPECIFICATIONS

scope

All Telescopic Gymn Seating shown on the plans and as specified shall be ESKA Gym Seats as manufactured by ESKA Products, Inc., Scottdale, Georgia, or approved equal in the opinion of the architect and/or owner.

guarantee

Product is guaranteed against defects in material or workmanship for a period of one year from date of installation.

design and loading

Gym seats shall be designed to support in addition to their own weight a live load of 120-lbs. per linear foot of seat board and foot board, and a horizontal sway load of 24-lbs. per linear foot of seat board. Steel parts only considered in figuring load stresses. Gym seats are to meet Safety Codes established by A. S. A. Stresses in lumber will not exceed those recommended by the U. S. Forest Products Laboratory.

dimensions

Nested depth of all rows shall be 36″ for 22″ seat spacing, and 38″ for all rows 24″ seat spacing. On wall attached units the distance from front of top row to wall shall be 12″, or as conditions permit. Seat spacing shall be 22″ or 24″ with 8½″ or 10½″ row rise, with leg height (seat to footboard) to be standard 17″. Horizontal toe room shall be a minimum of 6″ beyond edge of footboard, and heel room about 3″ from footboard. For extended depth of all rows, see schedule of dimensions. Standard sections are 16′0″ long maximum. Units of lesser lengths can be furnished as required.

construction

The steel understructure shall be steel of rolled and formed sections, designed, engineered and fabricated to form a rigid self-supporting frame. Each row of each full length section shall be supported by four steel columns welded to the formed steel wheel housing. Each column shall be supported by two heavy duty oilless 4″ diameter flat-faced non-marking wheels enclosed in a formed metal housing. Operating latches attached to the wheel housing shall lock each row with respect to the other. Each section of seats shall be equipped with friction type locks operated by the front riser board which will permit one or more rows to be locked open. All units shall be attached to the wall and floor so that possible movement of the floor will not disturb the proper alignment of the installation.

wooden members

Seatboards shall be 1-1/16″ thick by 9½″ wide. Footboards shall be 1-1/16″ thick by 10⅞″ wide. Riser boards shall be ¾″ thick by 8¼″ wide, except top and bottom riser boards. Top riser board shall be hinged to form a basketball deflection board over the closed cabinet of wall attached sections. Bottom riser board shall be hinged and provided with hand holds for operating the gym seat. When gym seats are closed, risers and seatboards shall form a flush face of a vertical cabinet. The wooden members mentioned above can be furnished in laminated clear Douglas Fir with eased edges, laminated pine, or clear Douglas Fir.

alternate for wooden members

Seatboards, footboards and riserboards can be furnished in the same approximate dimensions of flat grained West Coast Douglas Fir Hardboard Faces.

finish steel

Metal parts shall be properly cleaned after fabrication and given one coat of best quality enamel of color as selected by the architect and/or owner. Wood parts shall be sanded, given one coat of sealer and two coats of high grade varnish.

special accessories

The following accessories shall be furnished as requested:

Guard Rails: Guard rails of not less than 1⅜″-inches O. D. steel tubing shall be installed on the open ends of all gym seats.

End Panels: End panels shall be installed on all exposed ends of wall-attached gym seats.

Aisle Steps: Aisle steps 36-inches long and 12-inches wide shall be provided in areas between seat boards and risers to effect a vertical aisle.

Removable Seat and Foot Boards: Removable seat and foot boards shall be provided, as required, for additional seating capacity between sections which must be kept separated because of doors, partitions, pilasters, etc.

Scorer's Table: A scorer's table with a tilted 8-foot by 16-inch plywood top and having a retaining lip on the lower edge shall be provided. No bolts shall be required for assembly.

Note: Nothing above shall prohibit ESKA Products from offering latest design innovations.

STEELCO GRANDSTANDS and BLEACHERS

planning service

Let our planning engineers solve your seating problem. A letter or post card outlining your requirements will receive careful attention and full information will be sent you promptly. All services without obligation, of course.

To assist us to properly design and interpret your needs, please supply the following information:

RT PORTABLE BLEACHERS

- Rows High (Available 2 to 15)
- Length or number of sections
- Grouping of sections
- Number of aisles
- Number of seats
- Seating area available
- Special conditions, if any

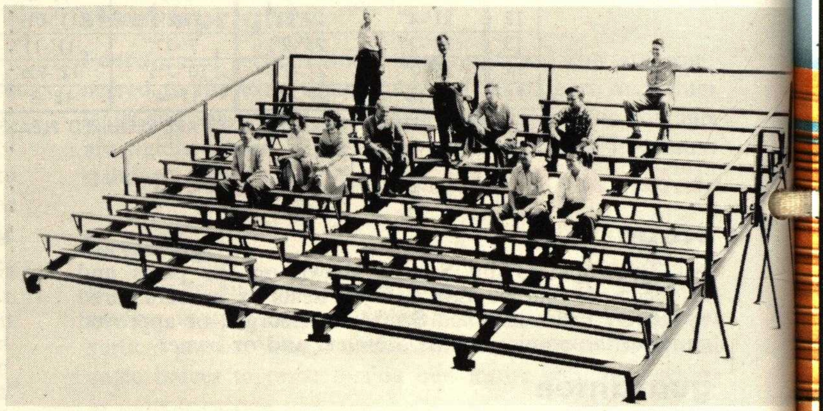
PG PERMANENT GRANDSTAND

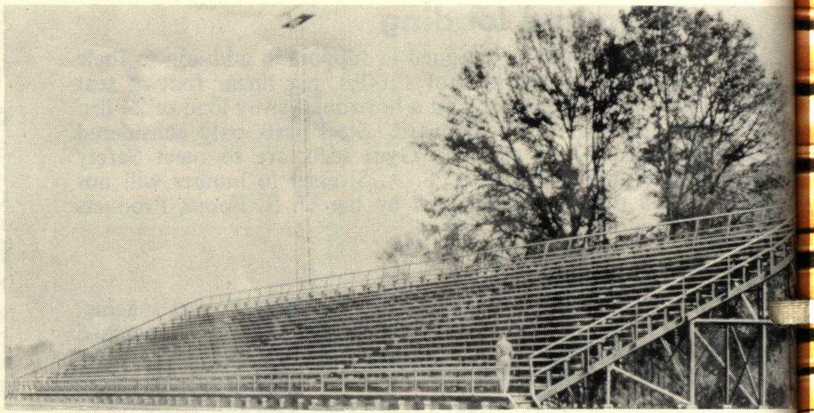
- Rows High (Available 10 to 26)
- Length or number of sections
- Grouping of sections
- Number of aisles
- Number of seats
- Seating area available
- Press Box size, if required
- Will you require entrance from rear?
- Is site level ground?

general data

Salvage Value: Stands can be disassembled at small cost and re-erected at a different location if this becomes necessary or desirable. This is a feature not possible with other types of construction.

Low Up-Keep: No maintenance required except occasional coat of paint which will preserve them indefinitely.





TYPICAL STEELCO INSTALLATIONS

ALABAMA
City of Dothan
Alabama Polytechnic Institute, Auburn

FLORIDA
Arcadia High School, Arcadia
Sebring High School, Sebring
Winter Haven High School, Winter Haven
City of Wachula
Auburndale High School, Auburndale
Florida State University, Tallahassee
City of Fort Lauderdale

GEORGIA
Chamblee High School, Chamblee
Russell High School, East Point
Avondale High School, Avondale Estates
City of Albany
South Georgia College, Douglas
Rossville High School, Rossville
U. S. Army, Camp Gordon
U. S. Army, Fort Benning
City of Douglas
Dublin High School, Dublin
Tucker High School, Tucker
U. S. Army, Fort McPherson
Parks Dept., City of Atlanta
Kiwanis Club, Forest Park
Druid Hills High School, Atlanta
City of Thomasville
Standard Club, Atlanta

LOUISIANA
Southwestern Louisiana Institute, Lafayette

MISSOURI
Board of Education, El Dorado Srings
City of Chillicothe

NORTH CAROLINA
East Carolina Teachers College, Greenville
U. S. Army, Fort Bragg

SOUTH CAROLINA
Presbyterian College, Clinton
Alma Mills, Gaffney
Wagener Public Schools, Wagener

TENNESSEE
City of Memphis
City of Knoxville
Athens Lions Club, Athens

TEXAS
City of Amarillo
City of Seguin
City of Palestine

VIRGINIA
Bristol Baseball Club, Bristol
Emory and Henry College, Emory
Coeburn High School, Coeburn
City of Suffolk
City of Petersburg
St. Charles High School, St. Charles
City of Norton

WEST VIRGINIA
Princeton High School, Princeton
Shady Springs High School, Shady Springs
Sophia High School, Sophia
Stoco High School, Stoco

OKLAHOMA
Ardmore Baseball Club, Ardmore

MISSISSIPPI
City of Jackson

KENTUCKY
U. S. Army, Fort Campbell

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